

# Blue Heat/PCI

## Applications

Blue Heat/PCI adapters offer two, four or eight asynchronous RS-232 serial ports that enable you to connect multiple terminals, modems, printers, data collection devices, barcode readers and other serial devices to PCI bus compatible computers. Blue Heat/PCI adapters are ideal industrial strength solutions for communications, data acquisition, industrial automation, office automation, POS, and scientific/instrumentation applications requiring high-speed multi-channel serial data collection and processing.

## Features

- Two, four or eight asynchronous RS-232 serial ports.
- Supports data communications speeds up to 1382.4 KBPS.
- 16C654 UARTs control each port providing 64 bytes of Tx/D/RxD FIFO buffers.
- Dual mode interrupt scheme: PCI and ISA modes with status register (for software that supports this feature) to improve performance and compatibility.
- Independent port configuration with baud rates from 21 BPS to 1382.4 KBPS; data bits of 5, 6, 7 or 8; stop bits of 1, 1.5, or 2, and odd, even, or stick parity.
- Full modem control on all ports.
- DB9, DB25 male cables, or DB9 male connector box, or RJ45 connector module available. (custom cable solutions also offered)
- Multi-strike surge protection; IEC1000-4 compatible on all signals, all ports.
- Includes SeePORT, a full-featured Windows 95/98 software data analyzer.
- Easy installation comes with board, cable assembly, comprehensive manual and driver software. No DIP switches or jumpers to set – full plug and play.

## Benefits

### High Speed, High Performance Communications

Rapid data transfer rates up to 1382.4 KBPS on all ports make Blue Heat/PCI boards ideal connections to high-speed modems or ISDN terminal adapters. State of the art 16C654 quad UARTs with 64 bytes of Tx/D and RxD FIFO buffers offload interrupt handling and buffering from the main CPU, thus improving overall system performance.

### Hardware Reliability

Blue Heat/PCI adapters provide IEC1000-4 compatible surge suppression on all signals, all ports. Protection against electrical disturbances, spikes and surges means fewer failures, less downtime.

### Hardware Flexibility

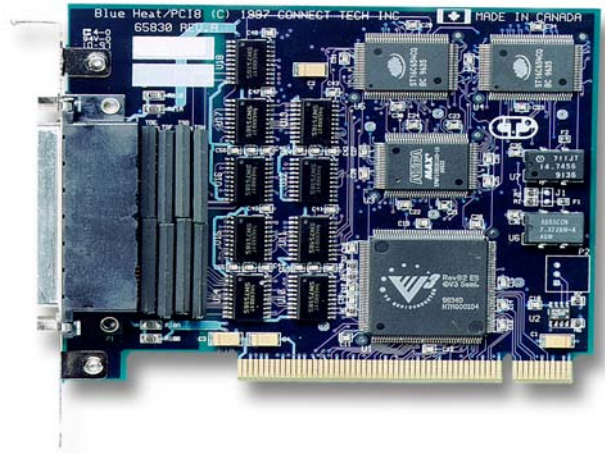
Blue Heat/PCI offers hardware flexibility and adaptability for your application. You can configure each port's electrical interface, baud rate, parity, data and stop bits independently. All ports have full modem control and Blue Heat/PCI adapters offer various connector options to suit your needs.

### Software Compatibility

Blue Heat/PCI boards with its dual mode interrupt scheme offer compatibility with existing standard serial drivers for many of the most popular operating systems such as: Linux, QNX, SCO Unix, Solaris and Windows 95/98/NT/2000. This provides you with more software flexibility for your communication needs.

### Easy to Use

Blue Heat/PCI adapters come ready for simple installation with no DIP switches or jumpers to set. Included are board, cable assembly, driver software and a comprehensive manual.



## Diagnostic Tools

Blue Heat/PCI adapters include the Windows 95/98 software data line analyzer SeePORT, to help you diagnose communication problems and therefore minimize downtime.

## Warranty and Service

Connect Tech, an ISO 9001 registered company, has provided high performance communication solutions since 1985, building and testing products to meet high standards of quality and reliability. Blue Heat/PCI adapters come with a one year warranty.

## Specifications

	Blue Heat/PCI2	Blue Heat/PCI4	Blue Heat/PCI8
Number of ports	2	4	8
Electrical Interface	RS-232		
Connectors (custom cable solutions also offered)	DB9 male connector	DB9 male cable harness DB25 male cable harness	DB9 male cable harness DB25 male cable harness DB9 male connector box RJ45 module
Control Signals	DTR, DSR, RTS, CTS, RI, Tx/D, RxD, DCD		
Baud Rates	21 BPS – 1382.4 KBPS		
I/O Addresses	Plug N'Play resources require two 256 byte I/O spaces		
Interrupts	Plug N'Play resources require one interrupt		
Memory Addresses	Plug N'Play resources require a megabyte of memory address space		
UART Type	16C654 quad UART c/w 64 byte Tx/D/RxD FIFO buffers		
Surge Suppression	500 watts (8 x 20 $\mu$ S), IEC801-2 compatible on all signals, all ports		
Dimensions	Width: 10.50 cm Length: 12.25 cm Height: 1.50 cm Weight: 0.12 kg		
Power Requirements	+5 VDC @ 240mA (typ) $\pm$ 12 VDC @ 32mA (typ)	+5 VDC @ 280mA (typ) $\pm$ 12 VDC @ 57mA (typ)	+5 VDC @ 400mA (typ) $\pm$ 12 VDC @ 144mA (typ)
Environmental Requirements	Temperature: (operating) 0° to 70° C (storage) -65° to 150° C Humidity: 95% non-condensing		
Bus	33 MHz, 32 bit PCI with read/write FIFO buffers		
Regulatory Approvals	FCC Class A	EN55022 Class A	
Software Compatibility	Linux, QNX, SCO Unix and Windows 95/98/NT/2000 (contact Connect Tech for most current list)		
System Requirements	One available 32 bit PCI slot and ISA bracket assembly		
<b>Part Numbers</b>	<b>Model</b>		
	<i>Please contact Connect Tech for more information about Blue Heat/PCI adapters</i>		



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